

Amendments to the CLAIMS

Listing of Claims:

This complete listing of claims replaces all previous listings of claims in the application.

1. (Original) A method of hydrogenating an unsaturated feedstock, comprising:

producing a catalyst composition by heating a nickel-based catalyst to a first temperature of at least about 85° C in the presence of a process gas and a protective non-gas medium; and, thereafter,

contacting the unsaturated feedstock with the catalyst composition and hydrogenating the unsaturated feedstock by sustaining a hydrogenation reaction at a second temperature of no greater than about 70° C, the feedstock comprising at least one unsaturated organic component.

2-59. (Canceled)

60. (Currently amended) A substantially platinum-free hydrogenation catalyst composition comprising:

a protective non-gas medium; and

a nickel-based catalyst dispersed in the protective non-gas medium, wherein the nickel-based catalyst being prepared at a first temperature of at least about 85°C and being adapted to sustain, at a second temperature of about 70° C or less and in the presence of hydrogen, a hydrogenation reaction of a dielectric oil comprising polyunsaturated fatty acids.

61-109. (Canceled)

110. (Original) A partially hydrogenated sunflower oil formed from a sunflower oil having a C18:1 content of less than 77 weight percent prior to hydrogenation, wherein the partially hydrogenated sunflower oil:

is no more solid than semi-liquid at about 25°C;

has a ratio of *cis*- to *trans*- forms of C18:1, C18:2 and C18:3 fatty acids (CFA : TFA) of at least about 15;

has a ratio of C18 to *trans*- forms of C18:1, C18:2 and C18:3 fatty acids (C18 : TFA) of at least about 1.2; and

an induction period at 120°C of at least about 5 hours.

111. (Original) A partially hydrogenated sunflower oil that:

is no more solid than semi-liquid at about 25°C;

has a ratio of *cis*- to *trans*- forms of C18:1, C18:2 and C18:3 fatty acids (CFA : TFA) of at least about 25;

has a ratio of C18 to *trans*- forms of C18:1, C18:2 and C18:3 fatty acids (C18 : TFA) of at least about 1.5; and

an induction period at 120°C of at least about 10 hours.

112. (Original) A partially hydrogenated palmolein fat that:

is no more solid than semi-liquid at about 25°C;

has a C18:2 content of no greater than about 7 weight percent;

has a *trans*-fatty acid content of no more than about 6 weight percent; and

has a ratio of *cis*- to *trans*- forms of C18:1, C18:2 and C18:3 fatty acids (CFA : TFA) of at least about 6.

113. (Original) A partially hydrogenated corn oil that:

is no more solid than semi-liquid at about 25°C;

has a C18:2 content of no greater than about 50 weight percent;

has a *trans*-fatty acid content of no more than about 6 weight percent; and

has a ratio of *cis*- to *trans*- forms of C18:1, C18:2 and C18:3 fatty acids (CFA : TFA) of at least about 15.

114. (Currently amended) A food product comprising an emulsion of water and the partially hydrogenated sunflower edible oil of claim 110.

115. (Currently amended) The food product of claim 114 ~~110~~ further comprising lecithin.

116. (Currently amended) A margarine composition comprising water and the partially hydrogenated sunflower edible oil of claim 110.

117. (Currently amended) An ice cream composition comprising water and the partially hydrogenated sunflower edible oil of claim 110.

118. (Currently amended) A food product comprising sugar and the partially hydrogenated sunflower edible oil of claim 110.

119. (Previously presented) The partially hydrogenated sunflower oil of claim 110 wherein the CFA : TFA ratio is at least about 18.

120. (Previously presented) The partially hydrogenated sunflower oil of claim 110 wherein the CFA : TFA ratio is no greater than about 75.

121. (Previously presented) The partially hydrogenated sunflower oil of claim 110 wherein the CFA : TFA ratio is no greater than about 50.

122. (Previously presented) The partially hydrogenated sunflower oil of claim 110 wherein the C18 : TFA ratio is at least about 1.5.

123. (Previously presented) The partially hydrogenated sunflower oil of claim 110 wherein the C18 : TFA ratio is at least about 2.

124. (Previously presented) The partially hydrogenated sunflower oil of claim 110, wherein the sunflower oil is formed from a sunflower oil having a C18:1

content of less than about 60 weight percent prior to hydrogenation, and wherein the partially hydrogenated sunflower oil has an induction period at 120° C of at least about 8 hours.

125. (Previously presented) The partially hydrogenated sunflower oil of claim 111 wherein the CFA : TFA ratio is at least about 40.

126. (Previously presented) The partially hydrogenated sunflower oil of claim 111 wherein the C18 : TFA ratio is at least about 2.0.

127. (Previously presented) The partially hydrogenated sunflower oil of claim 111 wherein the C18 : TFA ratio is at least about 3.0.

128. (Previously presented) The partially hydrogenated sunflower oil of claim 111 wherein the C18 : TFA ratio is no greater than about 6.0.